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Dated: April 18, 2006 Signature: 

(Leray Rogus)

Patent

Docket No. 564462004100

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Michelle CAYOUEtte et al.

Serial No.: 10/530,643

Filing Date (Int'l): October 10, 2003

For: PROTEASES, NUCLEIC ACIDS  
ENCODING THEM AND METHODS  
FOR MAKING AND USING THEM

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. For reference number 33, EP 0 494 149, we submit a copy of WO 91/02064 as an equivalent. The Examiner is requested to make these documents of record.

sd-300153

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
  - ☐ A fee is required. A check in the amount of \_\_ is enclosed.
  - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of \_\_ is enclosed.
  - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

(iii) the information, protocols, results and the like reported by third parties are accurate or enabling;  
or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to Deposit Account No. 03-1952 referencing 564462004100.

Dated: April 13, 2006

Respectfully submitted,

By 

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/530,643
				Filing Date	(Int'l) October 10, 2003
				First Named Inventor	Michelle CAYOUE
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	564462004100

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	1.	US-4,261,868	04-14-1981	Hora et al.	
	2.	US-4,404,128	09-13-1983	Anderson	
	3.	US-4,788,066	11-29-1988	Witt	
	4.	US-5,021,246	06-04-1991	Sieben et al.	
	5.	US-5,204,015	04-20-1993	Caldwell et al.	
	6.	US-5,405,624	04-11-1995	Doncheck et al.	
	7.	US-5,536,650	07-16-1996	Versteegh	
	8.	US-5,582,681	12-10-1996	Back et al.	
	9.	US-5,709,796	01-20-1998	Fuqua et al.	
	10.	US-5,762,991	06-09-1998	Dziondzak et al.	
	11.	US-5,856,164	01-05-1999	Outtrup et al.	
	12.	US-5,980,581	11-09-1999	Patterson, Jr. et al.	
	13.	US-6,017,751	01-25-2000	von der Osten et al.	
	14.	US-6,021,536	02-08-2000	Wasinger et al.	
	15.	US-6,024,766	02-15-2000	Wasinger	
	16.	US-6,066,233	05-23-2000	Olsen et al.	
	17.	US-6,077,316	06-20-2000	Lund et al.	
	18.	US-6,197,070	03-06-2001	Horner et al.	
	19.	US-6,204,232	03-20-2001	Borchert et al.	
	20.	US-6,241,849	06-05-2001	Franks	
	21.	US-6,261,828	07-17-2001	Lund	
	22.	US-6,264,925	07-24-2001	Fuglsang et al.	
	23.	US-6,297,038	10-02-2001	Bisgaard-Frantzen et al.	
	24.	US-6,309,871	10-30-2001	Outtrup et al.	
	25.	US-6,326,341	12-04-2001	Chatterjee et al.	
	26.	US-6,329,333	12-11-2001	Merz et al.	
	27.	US-6,333,301	12-25-2001	Kamiya	
	28.	US-6,365,561	04-02-2002	Vinson et al.	
	29.	US-6,380,147	04-30-2002	Speckmann et al.	
	30.	US-6,399,561	06-04-2002	Schneider et al.	
	31.	US-6,413,928	07-02-2002	Painter et al.	
	32.	US-2002/0142438-A1	10-03-2002	Andersen et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
	33.	EP-0 494 149	07-15-1992	Bos et al.	
	34.	WO-97/01629	01-16-1997	Novo Nordisk	

Examiner Signature		Date Considered	
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				First Named Inventor	Michelle CAYOUE
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Sheet	2	of	2	Attorney Docket Number	564462004100

\*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
	35.	ARISAWA et al., Appl. Environ. Microbiol. (2002) 68(6):2716-2725		
	36.	BOSCHWITZ et al., J. Gen. Microbiol. (1991) 137(5):1145-1153		
	37.	CRABB, ACS Symposium Series (1991) 460:82-94		
	38.	GUPTA, Appl. Microbiol. Biotechnol. (2002) 59:15-32		
	39.	HAARD and SIMPSON, in Fisheries Processing: Biotechnological Applications, Martin (ed.), Chapman and Hall, London (1994) pp. 132-154		
	40.	HARING et al., J. Org. Chem. (1999) 64:832-835		
	41.	HOONDAL, Applied Microbiology and Biotechnology (2002) 59:409-418		
	42.	JOHNSTON and SINGH, Cereal Chem. (2001) 78(4):405-411		
	43.	KIDA et al., Journal of Fermentation and Bioengineering (1995) 80:478-484		
	44.	LI et al., J. Biochem. (1998) 124:332-339		
	45.	LOEFFLER et al., Science (2001) 294:2170-2172		
	46.	POMMER, Petfood Industry (2002) (May) 10-11		
	47.	RAWLINGS and BARETT, Biochem. J. (1993) 290:205-218		
	48.	YAMAMURA, Biochem. Biophys. Res. Com. (2002) 294:1138-1143		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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